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PPP	111	RRR RRR RRR RRR RRR RRR	111 111 111	
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16-SEP-1984 02:27:33 6-SEP-1984 11:40:16 VAX/VMS Macro V04-00
[PLIRTL.SRC]PLISTRING.MAR; 1

(1)

Sy

.title pli\$stringio - pl1 runtime get and put string .ident /1-003/ : Edit CGN1003 ; Edit WHM1002

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facility:

VAX/VMS PL1 runtime library.

abstract:

This module contains the pl1 runtime routine for initializing the runtime system to perform a get or put string.

author: c. spitz 4-oct-79

modified:

1-002 29-September-1982 Bill Matthews

Invoke macros \$defdat and rtshare instead of \$defopr and share.

1-003 Chip Nylander 08-August-1983

> Initialize the parent pointer with FP when stream block allocated.

external definitions

PL

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0005 124 :--0005 125 pli\$putstrng_r6:: 54 p4 0005 126 clrl r6 0007 127 stringcom:

0005

side effects:

r0-r6 are destroyed

:set put indicator

			E	56	8EDO C2	0007 12 000A 12 000D 13		popl	r6 #fcb_c_strlen,sp	; save return address
				34		000D 13	:			get room for string file control block
						000D 13 000D 13 000D 13 000D 13	init	iatize fi	le control block	
ОС	AC	00820	802	5E 00 8F	70 00			mov l mov l	<pre>sp,ap #0,fcb_l_next(ap) #<atr_m_opened! -="" atr_m_stream!atr_m_b="" atr_m_string="">,fcb_l_</atr_m_opened!></pre>	:set file control block addr :clr link fields :init file attributes fall! -:
		OC 4	10	54 09 06 80	05 13 C8 3C	0010 13 0013 13 001B 13 001B 13 001B 13 001D 13 001F 14 0023 14		tstl beql bisl movzwl brb	10s #atr_v_input,fcb_l_a (r0)+,r2	;if eql, its put ttr(ap) ;set input in fcb ;get length of string
OC	AC	01000	0000	1B 05 8F 0A	C8 CA	0026 14 0028 14 0020 14 0034 14		bisl bicl cmpl	<pre>#atr_v_output.fcb_l_ #atr_m_vcha.fcb_l_at #dat_k_char,r3</pre>	attr(ap) ;set output in fcb tr(ap) ;assume not char var dest ;char dest? ;if eql, yes, cont
00	AC	01000	000	OA 8F	(8	0034 14 0037 14 0039 14		begl	#atr_m_vcha,fcb_l_at	tr(ap) ;set vcha dest
		14 A	C	80 50 50	D1 13 C8 B5 D0 C1 7D	0041 14 0043 14 0047 15 0048 15	50\$:	movl movl	r0,fcb_l_buf(ap) r0,fcb_l_buf_pt(ap)	;point past length of vcha ;set buffer address ;set buffer pointer
	18	AC 50 A	0	50 50 52 00 03	7D B0	004B 15 0050 15 0054 15 0058 15		movq movw assume	r2,r0,fcb_l_buf_end() #0,fcb_q_rfa(ap) #pli\$c_version,fcb_w <fcb_w_linesize+2> e</fcb_w_linesize+2>	;set buffer address ;set buffer pointer ap) ;set buffer end ;set rfa to 0 revision(ap) ;set revision q fcb_w_pagesize fcb_w_line) ;clr linesize, pagesize, col and line) ;set linesize to length of string
		2A A	32	00 52 AC	7D B0 B4	0041 14 0043 14 0047 15 004B 15 0050 15 0054 15 0058 15 0058 15 0050 15 0060 15 0063 15		movu clrw	<pre><fcb_w_column+2> eq #0,fcb_w_linesize(ap r2,fcb_w_linesize(ap) fcb_w_page(ap)</fcb_w_column+2></pre>	fcb_w_line ;clr linesize, pagesize, col and line ;set linesize to length of string ;clr page
						0063 16	; allo	cate stre	am block	
	5E 14	00000 AB 0	C08 B 408	8F SE CB	C2 D0 9E	0063 16 0063 16 006A 16 006D 16		subl mov! movab	#str_c_len,sp sp,r11 str_l_stack_end(r11)	;alloc space for stream block ;set address of stream block ,str_l_fld_end(r11) ;set end of field
						0073 16 0073 16	init	ialize fo	rmat stack	
		08 A 04 A 0004 C	В	5D 51 51 CB	D0 D0 D0 9E	006D 16 0073 16 0073 16 0073 16 0077 16 0077 16 0078 17 0085 17 0085 17 0085 17 0085 17 0087 17		movi movi movab	<pre>fp,str_l_parent(r11) r1,str_l_fp(r11) r1,str_l_stack(r11) str_l_stack(r11),str_</pre>	;set default parent pointer ;set address of format pointer ;copy format pointer to stack [_sp(r11) ;store format stack pointer
						0085 17 0085 17	retu	rn to int		
				66	17	0085 17 0085 17 0087 17		jmp	(r6)	;return
						0087 17 0087 17	3	.end		

Macro library name \$255\$DUA28:[PLIRTL.OBJ]PLIRTMAC.MLB;1 TOTALS (all libraries)

224 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=TRACEBACK/LIS=LIS\$:PLISTRING/OBJ=OBJ\$:PLISTRING MSRC\$:PLISTRING/UPDATE=(ENH\$:PLISTRING)+LIB\$:PLIRTM

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